

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number:

10/535,442

Source:

PCT

Date Processed by STIC:

5-27-05

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PCT

RAW SEQUENCE LISTING

DATE: 05/27/2005

PATENT APPLICATION: US/10/535,442

TIME: 10:47:19

Input Set : A:\PTO.DA.txt

Output Set: N:\CRF4\05272005\J535442.raw

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3 <110> APPLICANT: Roth, Stina Jalava, Jari Nikkari, Simo
5 <120> TITLE OF INVENTION: Nucleic acid probes and broad-range primers from regions in
topoisomerase
6     genes, and methods in which they are used
8 <130> FILE REFERENCE: 2022264PC/US
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/535,442
C--> 10 <141> CURRENT FILING DATE: 2005-05-19
10 <160> NUMBER OF SEQ ID NOS: 77
12 <170> SOFTWARE: PatentIn version 3.1
14 <210> SEQ ID NO: 1
16 <211> LENGTH: 23
18 <212> TYPE: DNA
20 <213> ORGANISM: Streptococcus pneumoniae
22 <400> SEQUENCE: 1
23 ctcaaaagaa ggtcttcacc atc                                     23
28 <210> SEQ ID NO: 2
30 <211> LENGTH: 23
32 <212> TYPE: DNA
34 <213> ORGANISM: Streptococcus pneumoniae
36 <400> SEQUENCE: 2
37 gccatattca agtttttatt gag                                     23
42 <210> SEQ ID NO: 3
44 <211> LENGTH: 23
46 <212> TYPE: DNA
48 <213> ORGANISM: Streptococcus pneumoniae
50 <400> SEQUENCE: 3
51 agccagatga ttcgattact gtt                                     23
56 <210> SEQ ID NO: 4
58 <211> LENGTH: 23
60 <212> TYPE: DNA
62 <213> ORGANISM: Streptococcus pneumoniae
64 <400> SEQUENCE: 4
65 ttgagaccgt ctttacagtc ctt                                     23
70 <210> SEQ ID NO: 5
72 <211> LENGTH: 23
74 <212> TYPE: DNA
76 <213> ORGANISM: Streptococcus pyogenes
78 <400> SEQUENCE: 5
79 gttttgcctc tcatattaaa gtc                                     23
84 <210> SEQ ID NO: 6
86 <211> LENGTH: 23
88 <212> TYPE: DNA
90 <213> ORGANISM: Streptococcus pyogenes
92 <400> SEQUENCE: 6

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93 tctttattga agcagataat tcc 23
98 <210> SEQ ID NO: 7
100 <211> LENGTH: 23
102 <212> TYPE: DNA
104 <213> ORGANISM: Streptococcus pyogenes
106 <400> SEQUENCE: 7
107 cgttgaaaca gtttttacag tct 23
112 <210> SEQ ID NO: 8
114 <211> LENGTH: 23
116 <212> TYPE: DNA
118 <213> ORGANISM: Chlamydia pneumoniae
120 <400> SEQUENCE: 8
121 ggtcttcac atctagtcta tga 23
126 <210> SEQ ID NO: 9
128 <211> LENGTH: 23
130 <212> TYPE: DNA
132 <213> ORGANISM: Chlamydia pneumoniae
134 <400> SEQUENCE: 9
135 ggtagtagac wacagcattg acg 23
140 <210> SEQ ID NO: 10
142 <211> LENGTH: 23
144 <212> TYPE: DNA
146 <213> ORGANISM: Chlamydia pneumoniae
148 <400> SEQUENCE: 10
149 agccatggca gttattgct cta 23
154 <210> SEQ ID NO: 11
156 <211> LENGTH: 23
158 <212> TYPE: DNA
160 <213> ORGANISM: Chlamydia pneumoniae
162 <400> SEQUENCE: 11
163 ggattgatgt tsgcatttta gag 23
168 <210> SEQ ID NO: 12
170 <211> LENGTH: 23
172 <212> TYPE: DNA
174 <213> ORGANISM: Chlamydia pneumoniae
176 <400> SEQUENCE: 12
177 gggtagtgc wtcgtagata atg 23
182 <210> SEQ ID NO: 13
184 <211> LENGTH: 22
186 <212> TYPE: DNA
188 <213> ORGANISM: Chlamydia pneumoniae
190 <400> SEQUENCE: 13
191 ttattgctct aggattgatg tt 22
196 <210> SEQ ID NO: 14
198 <211> LENGTH: 23
200 <212> TYPE: DNA
202 <213> ORGANISM: Chlamydia pneumoniae
204 <400> SEQUENCE: 14
205 gcattttaga gsacgggggt att 23

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210 <210> SEQ ID NO: 15
212 <211> LENGTH: 24
214 <212> TYPE: DNA
216 <213> ORGANISM: Mycoplasma pneumoniae
218 <400> SEQUENCE: 15
219 tcaaaactaac ccttaaagac aact 24
224 <210> SEQ ID NO: 16
226 <211> LENGTH: 23
228 <212> TYPE: DNA
230 <213> ORGANISM: Mycoplasma pneumoniae
232 <400> SEQUENCE: 16
233 tgaaacagtg tttacggtac tcc 23
238 <210> SEQ ID NO: 17
240 <211> LENGTH: 23
242 <212> TYPE: DNA
244 <213> ORGANISM: Haemophilus influenzae
246 <400> SEQUENCE: 17
247 atgataattc tgtatcggtg caa 23
252 <210> SEQ ID NO: 18
254 <211> LENGTH: 23
256 <212> TYPE: DNA
258 <213> ORGANISM: Haemophilus influenzae
260 <400> SEQUENCE: 18
261 agcagaagtt attatgactg tgc 23
266 <210> SEQ ID NO: 19
268 <211> LENGTH: 23
270 <212> TYPE: DNA
272 <213> ORGANISM: Haemophilus influenzae
274 <400> SEQUENCE: 19
275 gacgataact cttataaagt atc 23
280 <210> SEQ ID NO: 20
282 <211> LENGTH: 24
284 <212> TYPE: DNA
286 <213> ORGANISM: Haemophilus influenzae
288 <400> SEQUENCE: 20
289 gataccgatg acggtactgg tttg 24
294 <210> SEQ ID NO: 21
296 <211> LENGTH: 23
298 <212> TYPE: DNA
300 <213> ORGANISM: Staphylococcus aureus
302 <400> SEQUENCE: 21
303 agtgtgggaa attgtcgata ata 23
308 <210> SEQ ID NO: 22
310 <211> LENGTH: 25
312 <212> TYPE: DNA
314 <213> ORGANISM: Staphylococcus aureus
316 <400> SEQUENCE: 22
317 tgaagttggt attgaaaaag ataac 25
322 <210> SEQ ID NO: 23

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324 <211> LENGTH: 23
326 <212> TYPE: DNA
328 <213> ORGANISM: Staphylococcus aureus
330 <400> SEQUENCE: 23
331 ggattaaagt aacggataac gga
336 <210> SEQ ID NO: 24
338 <211> LENGTH: 24
340 <212> TYPE: DNA
342 <213> ORGANISM: Staphylococcus aureus
344 <400> SEQUENCE: 24
345 ctgtcgaagt tattttaact gttt
350 <210> SEQ ID NO: 25
352 <211> LENGTH: 23
354 <212> TYPE: DNA
356 <213> ORGANISM: Staphylococcus aureus
358 <400> SEQUENCE: 25
359 cgacttcaga gagaggttg cac
364 <210> SEQ ID NO: 26
366 <211> LENGTH: 23
368 <212> TYPE: DNA
370 <213> ORGANISM: Pseudomonas aeruginosa
372 <400> SEQUENCE: 26
373 gaaatcagca tcaccatcca tac
378 <210> SEQ ID NO: 27
380 <211> LENGTH: 23
382 <212> TYPE: DNA
384 <213> ORGANISM: Pseudomonas aeruginosa
386 <400> SEQUENCE: 27
387 atacggatga gtcgatcact gtc
392 <210> SEQ ID NO: 28
394 <211> LENGTH: 23
396 <212> TYPE: DNA
398 <213> ORGANISM: Pseudomonas aeruginosa
400 <400> SEQUENCE: 28
401 gacgacaaca cctacaaggt gtc
406 <210> SEQ ID NO: 29
408 <211> LENGTH: 24
410 <212> TYPE: DNA
412 <213> ORGANISM: Pseudomonas aeruginosa
414 <400> SEQUENCE: 29
415 gacaccgacg atggcaccgg tctg
420 <210> SEQ ID NO: 30
422 <211> LENGTH: 23
424 <212> TYPE: DNA
426 <213> ORGANISM: Neisseria gonorrhoeae
428 <400> SEQUENCE: 30
429 ttcgacaaca acagctacaa aat
434 <210> SEQ ID NO: 31
436 <211> LENGTH: 23

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438 <212> TYPE: DNA
440 <213> ORGANISM: Neisseria gonorrhoeae
442 <400> SEQUENCE: 31
443 atatggtggtt tgaagtattg gac 23
448 <210> SEQ ID NO: 32
450 <211> LENGTH: 23
452 <212> TYPE: DNA
454 <213> ORGANISM: Neisseria gonorrhoeae
456 <400> SEQUENCE: 32
457 gacaaaatca cggtaacgat aca 23
462 <210> SEQ ID NO: 33
464 <211> LENGTH: 23
466 <212> TYPE: DNA
468 <213> ORGANISM: Neisseria gonorrhoeae
470 <400> SEQUENCE: 33
471 gacaacaaca gctacaaaat ctc 23
476 <210> SEQ ID NO: 34
478 <211> LENGTH: 23
480 <212> TYPE: DNA
482 <213> ORGANISM: Escherichia coli
484 <400> SEQUENCE: 34
485 tattcgaggt ggtagataac gct 23
490 <210> SEQ ID NO: 35
492 <211> LENGTH: 23
494 <212> TYPE: DNA
496 <213> ORGANISM: Escherichia coli
498 <400> SEQUENCE: 35
499 ttcacgccga taactctgtc tct 23
504 <210> SEQ ID NO: 36
506 <211> LENGTH: 23
508 <212> TYPE: DNA
510 <213> ORGANISM: Escherichia coli
512 <400> SEQUENCE: 36
513 cgccgataac tctgtctctg tac 23
518 <210> SEQ ID NO: 37
520 <211> LENGTH: 23
522 <212> TYPE: DNA
524 <213> ORGANISM: Escherichia coli
526 <400> SEQUENCE: 37
527 gacgataact cctataaagt gtc 23
532 <210> SEQ ID NO: 38
534 <211> LENGTH: 24
536 <212> TYPE: DNA
538 <213> ORGANISM: Escherichia coli
540 <400> SEQUENCE: 38
541 gacacggatg acggcaccgg tctg 24
546 <210> SEQ ID NO: 39
548 <211> LENGTH: 23
550 <212> TYPE: DNA

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/535,442

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:73; N Pos. 18,288

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5

VERIFICATION SUMMARY

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Input Set : A:\PTO.DA.txt

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:1075 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:0

M:341 Repeated in SeqNo=73